

A. Amendments to the Claims:

This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

Please cancel claims 1-16.

17(New). A printable formulation comprising metallic fillers with domain size less than 250 nanometers and an aspect ratio greater than one.

18(New). The printable formulation of claim 17 wherein the fillers are nanowhiskers.

19(New). The printable formulation of claim 17 wherein the fillers are fibers.

20(New). The printable formulation of claim 17 wherein the fillers are plates.

21(New). The printable formulation of claim 17 wherein the printable formulation is an ink.

22(New). The printable formulation of claim 17 wherein the printable formulation is a paste.

23(New). The printable formulation of claim 17 wherein the fillers comprise an element selected from the group consisting of: aluminum, barium, bismuth, cadmium, calcium, cerium, cesium, cobalt, copper, europium, gallium, indium, iron, lanthanum, lithium, magnesium, manganese, molybdenum, neodymium, nickel, niobium, potassium, praseodymium, scandium, sodium, strontium, tantalum, tin, titanium, tungsten, vanadium, ytterbium, yttrium, zinc, and zirconium.

24(New). A printable formulation comprising ceramic nanofillers with domain size less than 100 nanometers.

25(New). The printable formulation of claim 24 wherein the fillers are nanowhiskers.

26(New). The printable formulation of claim 24 wherein the fillers are fibers.

27(New). The printable formulation of claim 24 wherein the fillers are plates.

28(New). The printable formulation of claim 24 wherein the printable formulation is an ink.

29(New). The printable formulation of claim 24 wherein the printable formulation is a paste.

30(New). The printable formulation of claim 24 wherein the fillers comprise an element selected from the group consisting of: aluminum, barium, bismuth, cadmium, calcium, cerium, cesium, cobalt, copper, europium, gallium, gold, indium, iron, lanthanum, lithium, magnesium, manganese, molybdenum, neodymium, nickel, niobium, palladium, platinum, potassium, praseodymium, scandium, silver, sodium, strontium, tantalum, tin, titanium, tungsten, vanadium, ytterbium, yttrium, zinc, and zirconium.

31(New). The printable formulation of claim 24 wherein the filler comprises at least one element from the group consisting of: aluminum, antimony, boron, carbon, germanium, indium, nickel, nitrogen, oxygen, phosphorus, selenium, silicon, sulfur, or tellurium.

32(New). A printable formulation comprising nanofillers with domain size less than 250 nanometers and the nanofillers comprise copper.

33(New). A printable formulation comprising nanofillers with domain size less than 100 nanometers and the nanofillers comprise copper.

34(New). A product manufactured using the printable formulation of claim 17.

35(New). A print manufactured using the printable formulation of claim 17.

36(New). A product manufactured using the printable formulation of claim 24.

37(New). A print manufactured using the printable formulation of claim 24.

38(New). A product manufactured using the printable formulation of claim 32.

39(New). A print manufactured using the printable formulation of claim 32.

40(New). A product manufactured using the printable formulation of claim 33.

41(New). A print manufactured using the printable formulation of claim 33.